MR-1 CHECK OFF LIST FOR NON-CATEGORICAL COMPANIES

ST. MARY'S HOSPITAL

6210045

26210003

1. **Month of MARCH 1, 2009 THRU MARCH 31, 2009**

2.	Is Outlet # (8 digit) Correct?	Y	N	N/A
3.	Is average Total flow-gal.day stated in space provided?	Y	N	N/A
4.	Is max. Total flow-gal day stated in space provided?	Y	N	N/A
5.	Is method used to calculate water stated?	Y	N	N/A
6.	Are number of working days stated?	Y	N	N/A
7.	Are there any parameters which have exceeded PVSC Local Limits?	Y	N	N/A
8.	Is proper compliance/non-compliance statement provided?	Y	N	N/A
9.	Have correct number of samples been submitted?	Y	N	N/A
10.	Has PHC result been listed on MR-1 report?	Y	N	N/A
11.	Has sample number been reported in space provided?	Y	N	N/A
12.	Have all regulated parameters been listed on MR-1?	Y	N	N/A
13.	Has sample type been stated on MR-1?	Y	N	N/A
14.	Have all samples been taken during this reporting period?	Y	N	N/A
15.	Has NJDEPE certified lab been used?	Y	N	N/A
16.	Have analytical results been submitted on copies of Laboratory stationery?	Y	N	N/A
17.	Have results been written in space designated on MR-1?	Y	N	N/A
18.	Is correct method used to preserve samples stated on MR-1?	Y	N	N/A
19.	Has MR-1 been signed by authorized representative?	Y	N	N/A
20.	Has information been submitted on proper MR-1 form?	Y	N	N/A
21.	Remove Arsenic from report if sampling not required	Y	N	N/A

APR 2009
2nd Input
Industrial Dept.

APR 2009
1st Input
Industrial Dept.

MR-1 CHECK OFF LIST FOR NON-CATEGORICAL COMPANIES

First Reviewer: comments on deficiencies Complete

Date Reviewed 4/29/09 Date sent to user _____

Date due back _____ Reviewer J. Ludlow

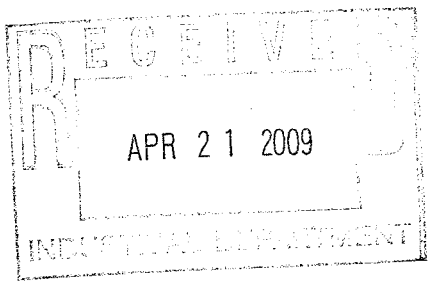
Second review comments on deficiencies _____

Date Reviewed _____ Date sent to user _____

Date due back _____ Reviewer _____

Date _____ Reviewer _____

Joe



TREATMENT MONITORING REPORT

L

642,300 • ×
7 • 48 =
4,804,404 • *

ssaic, NJ 07055

4,804,404 • ÷
31 • =
154,981 • *

'assaic, NJ 07055

OUTLET #: 1

ıik

TELEPHONE #: (973) 365-5134

0045

OLD OUTLET DESIGNATION: 26210003

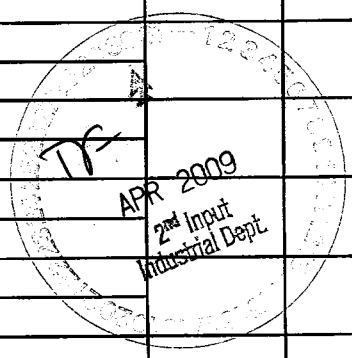
154,981 • ×
1 • 1 =
170,480 • *

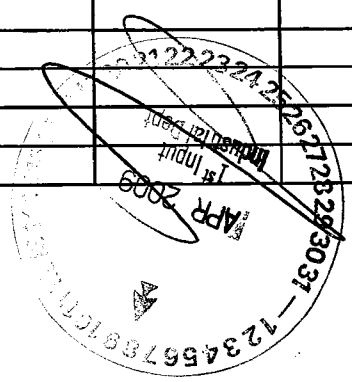
0 • *

		Average	Maximum
	Regulated Flow-gal/day	N/A	N/A
2009	Total Flow-gal/day	154,981	170,479
YR.			

ivided by **31** days.

PARAMETER		MASS LIMIT OR CONCENTRATION			#OF SAMPLES	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS		COMP/GRAB
Zinc	Sample Measurement	0.102	0.102	ppm	1	COMP
	Permit Requirement	*1.67*	*1.67*	ppm		





PVSC Form MR-1 Rev:4 6/87 P1

Certification of Non-use if applicable (use additional sheets): N/A

Compliance or non-compliance statement with compliance schedule (use additional sheets if necessary for every parameter used. PBI Regional Medical Center Hospital is in compliance with the PVSC local limits

Explain Method for preserving samples: Laboratory preserved with 5ml nitric acid to a pH of <2

I certify under penalty of law that this document and attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.
403.6(a)(2)(ii) revised by 53 FR 40610, October 17, 1988

Signature of Principal
Executive or Authorized Agent

Joseph W. Pilewski

Vice President, Enviro-Sciences (OF DELAWARE), Inc
Type Name and Title

20-Apr-09
Date

PVSC Form MR-1 Rev:5 3/91 P2

Water Discharge Calculation Sheet

ST. MARY'S HOSPITAL (PBI)

MARCH 2009

Total water used from meter reading (Cubic feet)	642,300
x 7.48 (gallons / cubic foot)	
Total Usage (Gallons)	4,804,404
Evaporation (Gallons) 5% evaporation *	0
Volume Discharged (Gallons)	4,804,404

Volume Discharged For Month	
Daily Average Discharge (Gallons)	154,981
Daily Maximum Discharge (Gallons)	170,479

Month 3
Last day 31

*** NOTE: In the months of January, February and March the PVSC DOES NOT ALLOW a reduction for evaporation.**

70027224 Meter 1	70027225 Meter 2	70029946 Meter 3	60144298 Meter 4	Total	x 100	x 7.48
1,155	4,156	992	120	6,423	642,300	4,804,404

	Reading Date		CF1	CF2	Consumption (100 cu.ft.)
Meter 1	3/13/09		5,207.00	1,599.00	
	3/13/09		4,052.00	1,599.00	
		C - L	1,155.00	0.00	
			x 1	x 100	
			1,155.00	0.00	**1,155.00**
Meter 2	3/13/09		1,893.00	1,457.00	
	3/13/09		637.00	1,428.00	
		C - L	1,256.00	29.00	
			x 1	x 100	
			1,256.00	2,900.00	**4,156.00**
Meter 3	3/13/09		9,964.00	7,830.00	
	3/13/09		9,142.00	7,813.00	
		C - L	822.00	17.00	
			x 1	x 10	
			822.00	170.00	**992.00**
Meter 4	3/13/09		2,485.00		
	3/13/09		2,473.00		
		C - L	12.00		
			x 10		
			120.00		**120.00**

Sample Summary

IAL Case No.
E09-02204

Client ESI, INC.

Project ST. MARY'S HOSPITAL (PBI) - R8MM

Received On 3/ 5/2009@12:37

Lab ID	*Client Sample ID*	*Depth Top/Bottom*	*Sampling Time*	*Matrix*	*# of Container*
02204-001	SMH-0309	n/a	3/ 5/2009@07:45	Aqueous	1

Integrated Analytical Labs ~ 273 Franklin Road, Randolph, NJ 07869 ~ (973) 361-4252 ~ Fax (973) 989-5288

INTEGRATED ANALYTICAL LABORATORIES, LLC.

TABLE OF CONTENTS

* Methodology is included in the IAL Project Information Page

INTEGRATED ANALYTICAL LABORATORIES, LLC.

MATRIX QUALIFIERS

A - Indicates the sample is an Aqueous matrix.

O - Indicates the sample is an Oil matrix.

S - Indicates the sample is a Soil, Sludge or Sediment matrix.

X - Indicates the sample is an Other matrix as indicated by Client Chain of Custody.

DATA QUALIFIERS

B - Indicates the analyte was found in the Blank and in the sample. It indicates possible sample contamination and warns the data user to use caution when applying the results of the analyte.

C - Common Laboratory Contaminant.

D - The compound was reported from the Diluted analysis.

D.F. - Dilution Factor.

E - Estimated concentration, reported results are outside the calibrated range of the instrument.

J - Indicates an estimated value. The compound was detected at a value below the method detection limit but greater than zero. For GC/MS procedures, the mass spectral data meets the criteria required to identify the target compound.

MDL - Method Detection Limit.

MI - Indicates compound concentration could not be determined due to Matrix Interferences.

NA - Not Applicable.

ND - Indicates the compound was analyzed for but Not Detected at the MDL.

REPORT QUALIFIERS

All solid sample analyses are reported on a dry weight basis.

All solid sample values are corrected for original sample size and percent solids.

Q - Qualifier

0001

INTEGRATED ANALYTICAL LABORATORIES, LLC.

CONFORMANCE / NONCONFORMANCE SUMMARY

Integrated Analytical Laboratories, LLC. received one (1) aqueous sample(s) from ESI, INC. (Project: ST. MARY'S HOSPITAL (PBI) - R8MM) on March 5, 2009 for the analysis of:

(1) Metal - Cadmium
(1) Metal - Copper
(1) Metal - Lead
(1) Metal - Mercury
(1) Metal - Nickel
(1) Metal - Zinc

A review of the QA/QC measures for the analysis of the sample(s) contained in this report has been performed by:

Reviewed by

3/18/09
Date

0002

INTEGRATED ANALYTICAL LABORATORIES, LLC.

LABORATORY DELIVERABLES CHECK LIST

Lab Case Number: E09-02204

		Check If Complete
1.	Cover Page, Title Page listing Lab Certification #, facility name & address and date of report preparation.	✓
2.	Table of Contents.	✓
3.	Summary Sheets listing analytical results for all targeted and non-targeted compounds.	✓
4.	Summary Table cross-referencing Field ID's vs. Lab ID's.	✓
5.	Document bound, paginated and legible.	✓
6.	Chain of Custody.	✓
7.	Methodology Summary.	✓
8.	Laboratory Chronicle and Holding Time Check.	✓
9.	Results submitted on a dry weight basis (if applicable).	✓
10.	Method Detection Limits.	✓
11.	Lab certified by NJDEP for parameters or appropriate category of parameters or a member of the USEPA CLP.	✓
12.	NonConformance Summary.	✓

Jacqueline A Bezyk
QC Reviewed by

3/18/09
Date

0003

INTEGRATED ANALYTICAL LABORATORIES
CONFORMANCE/NONCONFORMANCE SUMMARY
METAL ANALYSIS

Lab Case Number: E09-02204

		No	Yes
1.	Calibration Summary Meet Criteria.		✓
2.	ICP Interference Check Sample Results Meets Criteria (if applicable)		NA
3.	Serial Dilution/Post Spike Summary Submitted (if applicable) / Meets Criteria		✓
4.	Internal Standards Meet Criteria (if applicable)		✓
5.	Laboratory Control Sample Summary Submitted (if applicable) / Meets Criteria		✓
6.	Blank Contamination: If yes, list compounds and concentrations in each blank:	✓	
7.	Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria. (If not, list those compounds and their recoveries which fall outside the acceptable range).		✓
8.	Extraction Holding Time Met. If not, list number of days exceeded for each sample:		✓
9.	Analysis Holding Time Met. If not, list number of days exceeded for each sample:		✓

Additional Comments:
Sample(s) used for aqueous metals analyses contained varying levels of sediment. Precautions were taken to use an aqueous representative of the sample. However, our experience has demonstrated that samples of this nature are very difficult to duplicate because the metals numbers are basically tied into the level of sediment present in the original sample. Additionally, as the remainder of the sample is stored under acidic conditions, some of the metals may continue to leach out into the water making any reproduction of the original number impossible. The rough amount of sediment present in the samples is as follows:

02204-001: Trace

Inorganic Manager

March 9, 2009
Date

0004

INTEGRATED ANALYTICAL LABORATORIES, LLC.

SUMMARY REPORT
Client: ESI, INC.
Project: ST. MARY'S HOSPITAL (PBI) - R8MM
Lab Case No.: E09-02204

	Lab ID:	Client ID:	Matrix:	Sampled Date
	02204-001	SMH-0309	Aqueous	3/5/09
PARAMETER(Units)	Conc	Q	MDL	
Metals (Units)	*(mg/L-ppm)*			
Cadmium	ND		0.001	
Copper	0.062		0.008	
Lead	ND		0.002	
Mercury	ND		0.0005	
Nickel	ND		0.004	
Zinc	0.102		0.008	

ND = Analyzed for but Not Detected at the MDL

INTEGRATED ANALYTICAL LABORATORIES, LLC.

METALS

Client/Project: ESI/ST. MARY'S HOSPITAL (PBI) - R8MM

Lab ID: E09-02204-001
Client ID: SMH-0309
Date Received: 3/5/2009
Matrix-Units: Aqueous-mg/L (ppm)
% Moisture: 100
Batch #: 093

Compound	Result	Q	DF	MDL	Date Analyzed	Method
Cadmium	ND		1	0.001	03/06/09	200.8
Copper	0.062		1	0.008	03/06/09	200.8
Lead	ND		1	0.002	03/06/09	200.8
Mercury	ND		1	0.0005	03/06/09	245.1
Nickel	ND		1	0.004	03/06/09	200.8
Zinc	0.102		1	0.008	03/06/09	200.8

E09-02204 INTEGRATED ANALYTICAL LABORATORIES, LLC.

METALS QUALITY CONTROL

BLANK 1 RESULTS SUMMARY

Batch (Page) #: 093

Associated Lab Case for Blank 1: 02086, 02087, 02121, 02122, 02123, 02124, 02125, 02126, 02129, 02130, 02127, 02128, 02131, 02186, 02193, 02195, 02196, 02204, 02205, 02206

Matrix: Aqueous Unit: ppb (µg/L) Method: 200.8

ANALYTE	SAMPLE MDL	REAGENT BLANK
Arsenic	2.00	ND
Cadmium	1.00	ND
Copper	8.00	ND
Lead	2.00	ND
Mercury	0.500	ND
Nickel	4.00	ND
Zinc	8.00	ND

Associated Sample for Blank 1:

02086-001; 02087-001; 02121-002; 02122-003
02123-001; 02124-002; 02125-002; 02126-002
02129-002; 02130-002; 02127-001; 02128-001
02131-002; 02186-001; 02193-001; 02195-001
02196-003; 02204-001; 02205-001; 02206-001

E09-02204 INTEGRATED ANALYTICAL LABORATORIES, LLC.

METALS QUALITY CONTROL

INITIAL & CONTINUING CALIBRATION BLANKS VERIFICATION

Batch (Page) #: 093
Lab Case: 02086, 02087, 02116, 02119, 02121, 02122, 02123, 02124, 02125, 02126, 02127, 02128
02129, 02130, 02131, 02186, 02193, 02195, 02196, 02204, 02205, 02206, 02208, 02209

Matrix: Aqueous Method: 200.8 Concentration/Units: ppb (µg/L)

ANALYTE	INST. MDL	ICB	CCB	CCB	CCB	CCB	CCB
Arsenic	0.500	ND	ND	ND	ND	ND	ND
Barium	10.0	ND	ND	ND	ND	ND	ND
Cadmium	0.250	ND	ND	ND	ND	ND	ND
Chromium	2.00	ND	ND	ND	ND	ND	ND
Copper	2.00	ND	ND	ND	ND	ND	ND
Lead	0.500	ND	ND	ND	ND	ND	ND
Manganese	1.00	ND	ND	ND	ND	ND	ND
Mercury	0.250	ND	ND	ND	ND	ND	
Molybdenum	5.00	ND	ND	ND	ND	ND	ND
Nickel	1.00	ND	ND	ND	ND	ND	ND
Zinc	2.00	ND	ND	ND	ND	ND	ND

E09-02204 INTEGRATED ANALYTICAL LABORATORIES, LLC.

METALS QUALITY CONTROL

INITIAL & CONTINUING CALIBRATION BLANKS VERIFICATION

Batch (Page) #: 093

Lab Case: 02086, 02087, 02116, 02119, 02121, 02122, 02123, 02124, 02125, 02126, 02127, 02128
02129, 02130, 02131, 02186, 02193, 02195, 02196, 02204, 02205, 02206, 02208, 02209

Matrix: Aqueous Method: 200.8 Concentration/Units: ppb (µg/L)

ANALYTE	INST. MDL	CCB					
Arsenic	0.500	ND					
Barium	10.0	ND					
Cadmium	0.250	ND					
Chromium	2.00	ND					
Copper	2.00	ND					
Lead	0.500	ND					
Manganese	1.00	ND					
Molybdenum	5.00	ND					
Nickel	1.00	ND					
Zinc	2.00	ND					

E09-02204

INTEGRATED ANALYTICAL LABORATORIES, LLC.

METALS QUALITY CONTROL

INITIAL & CONTINUING CALIBRATION VERIFICATION

Batch (Page) #: 093

Lab Case: 02086, 02087, 02116, 02119, 02121, 02122, 02123, 02124, 02125, 02126, 02127, 02128
02129, 02130, 02131, 02186, 02193, 02195, 02196, 02204, 02205, 02206, 02208, 02209

Matrix: Aqueous Method: 200.8 Units: ppb (ug/L)

ANALYTE	INST. MDL	ICV & CCV TRUE	ICV		CCV		CCV		CCV	
			FOUND	% R	FOUND	% R	FOUND	% R	FOUND	% R
Arsenic	0.500	20.0	19.8	99.0	19.9	99.5	19.9	99.5	19.9	99.5
Barium	10.0	400	400	100	414	104	410	103	417	104
Cadmium	0.250	10.0	9.92	99.2	10.0	100	10.0	100	9.83	98.3
Chromium	2.00	20.0	20.7	104	21.1	106	21.0	105	21.3	107
Copper	2.00	50.0	49.6	99.2	50.2	100	50.1	100	51.3	103
Lead	0.500	10.0	10.2	102	10.4	104	10.3	103	10.3	103
Manganese	1.00	30.0	31.0	103	31.8	106	31.7	106	32.2	107
Mercury	0.250	5.00	5.38	108	5.33	107	5.35	107	5.38	108
Molybdenum	5.00	50.0	50.0	100	50.2	100	50.0	100	50.6	101
Nickel	1.00	80.0	78.1	97.6	81.1	101	80.1	100	83.1	104
Zinc	2.00	40.0	41.0	103	41.2	103	41.1	103	41.7	104

(1) Control Limits: Mercury 80-120; Other Metals 90-110

0010

E09-02204

INTEGRATED ANALYTICAL LABORATORIES, LLC.

METALS QUALITY CONTROL

INITIAL & CONTINUING CALIBRATION VERIFICATION

Batch (Page) #: 093

Lab Case: 02086, 02087, 02116, 02119, 02121, 02122, 02123, 02124, 02125, 02126, 02127, 02128
02129, 02130, 02131, 02186, 02193, 02195, 02196, 02204, 02205, 02206, 02208, 02209

Matrix: Aqueous Method: 200.8 Units: ppb (ug/L)

ANALYTE	INST. MDL	ICV & CCV TRUE	CCV FOUND	CCV % R	CCV FOUND	CCV % R	CCV FOUND	CCV % R	FOUND	% R
Arsenic	0.500	20.0	19.9	99.5	19.8	99.0	19.7	98.5		
Barium	10.0	400	420	105	414	104	409	102		
Cadmium	0.250	10.0	9.80	98.0	9.83	98.3	9.76	97.6		
Chromium	2.00	20.0	21.3	107	21.3	107	21.1	106		
Copper	2.00	50.0	51.7	103	51.1	102	50.1	100		
Lead	0.500	10.0	10.3	103	10.2	102	10.2	102		
Manganese	1.00	30.0	32.2	107	32.1	107	31.8	106		
Mercury	0.250	5.00	5.41	108						
Molybdenum	5.00	50.0	50.4	101	50.2	100	50.5	101		
Nickel	1.00	80.0	83.6	105	81.4	102	80.9	101		
Zinc	2.00	40.0	42.2	106	41.5	104	40.7	102		

(1) Control Limits: Mercury 80-120; Other Metals 90-110

0011

E09-02204

INTEGRATED ANALYTICAL LABORATORIES, LLC.

METALS QUALITY CONTROL

SPIKE SAMPLE RECOVERY

Batch (Page) #: 093

Lab Case: 02086, 02087, 02121, 02122, 02123, 02124, 02125, 02126, 02129, 02130
02127, 02128, 02131, 02186, 02193, 02195, 02196, 02204, 02205, 02206

Matrix: Aqueous Concentration/Units: ppb (µg/L)

ANALYTE	SSR1	SR1	%R1	SA1	SSR2	SR2	%R2	SA2	CONTROL LIMIT %R
Arsenic					391	ND	97.8	400	75-125
Cadmium					376	ND	94.0	400	75-125
Copper					402	8.42	98.4	400	75-125
Lead					394	ND	98.5	400	75-125
Mercury					9.94	ND	99.4	10.0	75-125
Nickel					389	ND	97.3	400	75-125
Zinc					405	19.9	96.3	400	75-125

SSR = Spike Sample Result
SR = Sample Result
SA = Spike Added
%R = Percent Recovery
NC = Non-calculable % R; Sample concentration > 4 x Spike Concentration.

QC Sample 1 02129-002
QC Sample 1 for following samples:
02086-001; 02087-001; 02121-002; 02122-003
02123-001; 02124-002; 02125-002; 02126-002
02129-002; 02130-002

QC Sample 2 02128-001
QC Sample 2 for following samples:
02127-001; 02128-001; 02131-002; 02186-001
02193-001; 02195-001; 02196-003; 02204-001
02205-001; 02206-001

0012

E09-02204

INTEGRATED ANALYTICAL LABORATORIES, LLC.

METALS QUALITY CONTROL
DUPLICATE SAMPLE RECOVERY

Batch (Page) #: 093

Lab Case: 02086, 02087, 02121, 02122, 02123, 02124, 02125, 02126, 02129, 02130
02127, 02128, 02131, 02186, 02193, 02195, 02196, 02204, 02205, 02206

Matrix: Aqueous Concentration/Units: ppb (µg/L)

ANALYTE	CONTROL LIMIT 1	S1	D1	RPD1	CONTROL LIMIT 2	S2	D2	RPD2
Arsenic					NA	ND	ND	NC
Cadmium					NA	ND	ND	NC
Copper					20	8.42	8.69	3.16
Lead					NA	ND	ND	NC
Mercury					NA	ND	ND	NC
Nickel					NA	ND	ND	NC
Zinc					20	19.9	18.7	6.22

S1 = Sample 1
D1 = Duplicate 1
NA = Not Applicable
NC = Non-calculable RPD due to result (s) less than the detection limit.

S2 = Sample 2
D2 = Duplicate 2

QC Sample 1 02129-002
QC Sample 1 for following samples:
02086-001; 02087-001; 02121-002; 02122-003
02123-001; 02124-002; 02125-002; 02126-002
02129-002; 02130-002

QC Sample 2 02128-001
QC Sample 2 for following samples:
02127-001; 02128-001; 02131-002; 02186-001
02193-001; 02195-001; 02196-003; 02204-001
02205-001; 02206-001

E09-02204

INTEGRATED ANALYTICAL LABORATORIES, LLC.

METALS QUALITY CONTROL

LABORATORY CONTROL SAMPLE

Batch (Page) #: 093

Lab Case: 02086, 02087, 02116, 02119, 02121, 02122, 02123, 02124, 02125, 02126, 02127, 02128
02129, 02130, 02131, 02186, 02193, 02195, 02196, 02204, 02205, 02206, 02208, 02209

Matrix: Aqueous

Unit: ppb (µg/L)

ANALYTE	BSW1			BSW2		
	TRUE	FOUND	%R(1)	TRUE	FOUND	%R(1)
Arsenic	400	391	97.8			
Barium				400	407	102
Cadmium	400	399	99.8			
Chromium				400	413	103
Copper	400	390	97.5	400	405	101
Lead	400	396	99.0			
Manganese				400	416	104
Mercury	10.0	10.6	106	10.0	10.7	107
Molybdenum				400	381	95.3
Nickel	400	386	96.5			
Zinc	400	400	100	400	411	103

(1) Control Limits % Recovery = 85-115%

BSW1	BSW2
02086-001; 02087-001; 02121-002; 02122-003	02116-001~002; 02119-006; 02122-002; 02208-001
02123-001; 02124-002; 02125-002; 02126-002	02209-001~002
02129-002; 02130-002; 02127-001; 02128-001	
02131-002; 02186-001; 02193-001; 02195-001	
02196-003; 02204-001; 02205-001; 02206-001	

E09-02204

INTEGRATED ANALYTICAL LABORATORIES, LLC.

METALS QUALITY CONTROL

SERIAL DILUTIONS & POST SPIKES 2

Batch (Page) #: 093

Lab Case: 02127, 02128, 02131, 02186, 02193, 02195, 02196, 02204, 02205, 02206

Matrix: Aqueous Concentration/Units: ppb (µg/L)

ANALYTE	SERIAL DILUTION		%	POST SPIKE		%
	SR	SDR	Difference	SPR	SA	Recovery
Arsenic	ND			395	400	98.8
Cadmium	ND			377	400	94.3
Copper	8.42			406	400	99.4
Lead	ND			410	400	103
Nickel	ND			395	400	98.8
Zinc	19.9			410	400	97.5

SR = Sample Result
SDR = Sample Dilution Result

SPR = Sample Post Spike Result
SA = Spike Added

Control Limits: (+) or (-) 10% Difference or 75 - 125% Recovery

QC Sample2 : 02128-001

QC Sample 2 for following samples:

02127-001; 02128-001; 02131-002; 02186-001
02193-001; 02195-001; 02196-003; 02204-001
02205-001; 02206-001

0015

E09-02204

INTEGRATED ANALYTICAL LABORATORIES, LLC.

METALS QUALITY CONTROL

IPC

Batch (Page) #: 093

Lab Case: 02086, 02087, 02116, 02119, 02121, 02122, 02123, 02124, 02125, 02126, 02127, 02128
02129, 02130, 02131, 02186, 02193, 02195, 02196, 02204, 02205, 02206, 02208, 02209

Matrix: Aqueous

Unit: ppb (µg/L)

ANALYTE	BSW1		
	TRUE	FOUND	%R(1)
Arsenic	50.0	50.3	101
Barium	50.0	50.7	101
Cadmium	50.0	50.5	101
Chromium	50.0	50.3	101
Copper	50.0	51.7	103
Lead	50.0	49.8	99.6
Manganese	50.0	52.1	104
Molybdenum	50.0	48.2	96.4
Nickel	50.0	51.0	102
Zinc	50.0	50.7	101

(1) Control Limits = 95-105%

0016

CHAIN OF CUSTODY

No. 02204
(Lab Use Only)

ENVIRO-SCIENCES, INC.

111 Howard Boulevard, Suite 108
Mount Arlington, NJ 07856
Phone: 973-398-8183
Fax: 973-398-8037

CLIENT: **ST. MARY'S HOSPITAL (PBI)** PROJECT NAME: **R8MM**

DELIVERABLES: **Reduced Data Deliverables**

SEND REPORT TO: **Bob Lawrence** E-Mail: **RLawrenc@Enviro-Sciences.com**

Sample Identification		Sampling Location Point	Sample Date	Sampling Time			Sample Matrix	Sample Type		Analysis Required (code #)	# of Containers
Lab	Field ID				AM	PM		Comp.	Grab		
	SMH-0309	Process Wastewater	3/5/09	7:45			Aqueous	X		10, 12, 13, 14, 15, 19	1

Note: PVSC Threshold Limits Required

Method of Relinquishment: Drop Off Name of Laboratory: IAL

Relinquished By: (Sign): Received By (Sign): Date/Time: 3/5/09 12:37

Relinquished To Lab By: (Sign): Received For Lab By (Sign): Date/Time:

Analysis	Code	Analysis	Code	Analysis	Code
Priority Pollutant Metals	01	Cadmium	10	Zinc	19
Petroleum Hydrocarbons	02	Chromium	11		
Volatile Organics + 15	03	Copper	12		
Base Neutrals + 15	04	Lead	13		
Acid&Base/Neutrals	05	Mercury	14		
VO+15 + MTBE/TBA	06	Nickel	15		
Antimony	07	Selenium	16		
Arsenic	08	Silver	17		
Beryllium	09	Thallium	18		

Note: Report on CD NOT Required

\\Grove\shared\Project Files_NTFRS_2b3b41cb\Hospital Group\Custody Chains\Semi-Annual\6 month chain SMP.doc, 2/26/2009

PROJECT INFORMATION

E09-02204

Case No. E09-02204 **Project** ST. MARY'S HOSPITAL (PBI) - R8MM

Customer	ESI, INC.	**P.O. #**	
Contact	Bob Lawrence	**Received**	3/5/2009 12:37
EMail	rlawrenc@enviro-sciences.com ☑ EMail EDDs	**Verbal Due**	3/19/2009
Phone	(973) 398-8183 **Fax** 1(973) 398-8037	**Report Due**	3/26/2009

Report To
111 Howard Blvd
Suite 108
Mount Arlington, NJ 07856
Attn: Bob Lawrence

Bill To
111 Howard Blvd
Suite 108
Mount Arlington, NJ 07856
Attn: Bob Lawrence

Report Format Reduced

Additional Info ☐ State Form ☐ Field Sampling ☐ Conditional VOA

Lab ID	Client Sample ID	Depth Top / Bottom	Sampling Time	Matrix	Unit	# of Containers
02204-001	SMH-0309	n/a	3/5/2009@07:45	Aqueous	mg/L	1

Sample #	Tests	Status	QA Method
001	Cadmium - Cd	In Process	200.8
"	Copper - Cu	In Process	200.8
"	Lead - Pb	In Process	200.8
"	Mercury - Hg	In Process	245.1
"	Nickel - Ni	In Process	200.8
"	Zinc - Zn	In Process	200.8

INTEGRATED ANALYTICAL LABORATORIES, LLC

SAMPLE RECEIPT VERIFICATION

CASE NO: **E 09** **02204** CLIENT: ESI

COOLER TEMPERATURE: 2° - 6°C: ✓ (See Chain of Custody)

Comments

COC: (COMPLETE) / INCOMPLETE

KEY

✓ = YES/NA
✗ = NO

✓	Bottles Intact	
✓	no-Missing Bottles	
✓	no-Extra Bottles	
✓	Sufficient Sample Volume	
✓	no-headspace/bubbles in VOs	
✓	Labels intact/correct	
✓	pH Check (exclude VOs)[1]	
✓	Correct bottles/preservative	
✓	Sufficient Holding/Prep Time'	
	Sample to be Subcontracted	

[1] All samples with "Analyze Immediately" holding times will be analyzed by this laboratory past the holding time. This includes but is not limited to the following tests: pH, Temperature, Free Residual Chlorine, Total Residual Chlorine, Dissolved Oxygen, Sulfite.

ADDITIONAL COMMENTS:

SAMPLE(S) VERIFIED BY: INITIAL [signature] DATE 3/5/09

CORRECTIVE ACTION REQUIRED: **YES** (SEE BELOW) **NO**

CLIENT NOTIFIED: YES Date/ Time: NO

PROJECT CONTACT:

SUBCONTRACTED LAB:

DATE SHIPPED:

ADDITIONAL COMMENTS:

VERIFIED/TAKEN BY: INITIAL [signature] DATE 3·6·09

REV 02/05 0019

Laboratory Custody Chronicle

IAL Case No.

E09-02204

Client ESI, INC.

Project ST. MARY'S HOSPITAL (PBI) - R8MM

Received On 3/ 5/2009@12:37

Department: Metals			***Prep. Date***	***Analyst***	***Analysis Date***	***Analyst***
Cadmium - Cd	02204-001	Aqueous	3/ 6/09	Lisa	3/ 6/09	Wei
Copper - Cu	-001	Aqueous	3/ 6/09	Lisa	3/ 6/09	Wei
Lead - Pb	-001	Aqueous	3/ 6/09	Lisa	3/ 6/09	Wei
Mercury - Hg	-001	Aqueous	2/ 6/09	Lisa	3/ 6/09	Wei
Nickel - Ni	-001	Aqueous	3/ 6/09	Lisa	3/ 6/09	Wei
Zinc - Zn	-001	Aqueous	3/ 6/09	Lisa	3/ 6/09	Wei

Review and Approval:

Integrated Analytical Labs ~ 273 Franklin Road, Randolph, NJ 07869 ~ (973) 361-4252 ~ Fax (973) 989-5288